



**VET7 IS A MANUFACTURER OF HIGH-QUALITY EGG INCUBATORS AND HATCHERS**



## HATCHER SPECIFICATION

Model: **V-tech0004**

Single Stage Hatcher



### HATCHER CAPACITY

Chicken Egg (C)	17,280 Eggs
Capacity of Tray	192
Number of Egg tray	90
Racks per cabinet	04

### DIMENSIONS

Length	2.15 m /7.05 ft
Width	3.60 m/11 ft
Height	2.25 m/7.38 ft
Electrical Condition	115/230V AC, 50 Hz, Single Phase AC
Installed Area	77 sft
Weight	1,050 kg

### Electrical Consumption

9 kw

## TROLLEYS:

Function	Hold and turn the egg when it needs
Number	4 trolleys for each Hatcher
Length (mm)	1,620
Width (mm)	580
Height (mm)	1,970

### The Trolley Equipped with:

- ☐ Strong and solidly welded Iron/Galvanized steel.
- ☐ Two-layer coating to avoid corrosion.
- ☐ Shock absorbing high-quality rubber wheels and that makes it easy to handle.
- ☐ Easy to clean and suitable for automated washing machines.
- ☐ Compatible with almost all previous and current single-stage VET7 setters.



## HATCHER BASKETS:

Function	Hold the egg
Number	48 Trays in a Trolley (Chicken)
Capacity	90 Chicken Eggs

## FEATURES:

- ☐ Hold the egg until it hatched
- ☐ Maintains its shape.
- ☐ Commercial Resistance
- ☐ Easy to wash up to 85°C
- ☐ Compatible with almost all single-stage VET7 Hatchers.



## ISOLATION SYSTEM:

<b>Function</b>	Keeping the egg inside the Hatcher isolated from external effects like humidity, temperature, fire, water... etc
<b>Panel</b>	High-quality fiberglass sandwich panel with polystyrene core
<b>Heat resistance</b>	Between -40 and + 120 °C
<b>Corrosion resistance</b>	Anticorrosive
<b>Applicable</b>	All dry and wet areas

## FEATURES:

- ☐ No leakage.
- ☐ No crumbling or diminishing.
- ☐ Easy-to-clean, anti-corrosive surface.
- ☐ High Resistance to heat and chemicals.
- ☐ Provide continuous thermal insulation.
- ☐ Prevent swellings and mold growth from the inside.
- ☐ They don't get old and lose their properties in time.
- ☐ Ensure savings in electricity consumption since less heating / cooling will be needed.



## DISPLAY:

<b>Size</b>	<b>LCD 7' inch.</b>
<b>Control</b>	Microprocessor
<b>Language</b>	Turkish, English and Arabic
<b>Screen Type</b>	TFT-LCD touch screen.
<b>Origin</b>	Swedish Company
<b>Operating Temp</b>	- 10 to + 60 C
<b>Humidity</b>	5%-85%
<b>History track</b>	Extended.
<b>Memory</b>	1.5 GB application memory
<b>Control panel</b>	Vet-Tech 22 TM

## DISPLAY FUNCTION:

- ☐ Monitoring and controlling all Hatcher functions.
- ☐ The touch control is sophisticated and very precise



## SENSOR:

<b>Origin</b>	<b>Europe origin (High-Quality product)</b>
<b>Working Range</b>	10...95 % RH
<b>Accuracy</b>	Accuracy at 20 C +- 2.5 %RH
<b>Operation Temp</b>	- 40...60 C (-40 ... 140 F)
<b>Storage Temp</b>	-20...60 C (-4 ... 140 F)
<b>Function</b>	Measuring Hatcher temperature and humidity



## HEATING:

<b>Function</b>	<b>Controlling the Hatcher temperature by increasing it heats</b>
<b>Working system</b>	Electrical
<b>Capacity</b>	2200 Watt
<b>Quantity</b>	2 (1 main Heater, 1 supplemental heater)
<b>Model</b>	Watt inox heater



## COOLERS:

<b>Function</b>	<b>Controlling the Hatcher temperature by decreasing it heats</b>
<b>Working system</b>	Water
<b>Quantity</b>	2 Solenoid Valves.
<b>Size</b>	16 mm Copper Pipe



## HUMIDIFICATION:

<b>Function</b>	<b>Controlling the Hatcher Humidity by Spraying water</b>
<b>Working system</b>	Spray nozzle
<b>Quantity</b>	2 Spray nozzle
<b>Capacity</b>	1.5 gal./hr at 55 p.s.i



## VENTILATION: (AIR COOLED SYSTEM)

- ☐ Ventilation is important in incubators and hatcheries because fresh oxygenated air is needed for respiration.
- ☐ Air cooled
- ☐ Pneumatically operated air cylinders
- ☐ The humidity and airflow are slightly higher at the hatcher than the setter.

## A-THE UPPER FAN

- ☐ Function: keeping the air flowing to the Hatcher.
- ☐ Speed: 1620 rpm
- ☐ Quantity: 1 (16" Fans, 1/3 HP, Plus Heater)



## B-THE INSIDE FAN

- ☐ Function: keeping the air flowing equally inside the Hatcher.
- ☐ Raw material: Stainless steel 304 (The fan & the fan holder)
- ☐ Speed: 1620 rpm
- ☐ Quantity: 2 1 (16" Fans, 1/3 HP, Plus Heater)



## C- AIR DAMPER:

- ☐ Function: Controlling the movement of the ventilation holes.
- ☐ Model: Belimo brand.
- ☐ Origin: Swiss origin (High-Quality product)
- ☐ Quantity: 1



## MOTOR:

Function	Controlling the movement of the fan that circulates the air inside the Hatcher
Water Pressure	390 kPa/55 p.s.i
Quantity	1
Capacity	2.2 KW



## THE HATCHER IS EQUIPPED WITH

- ☐ An electrical diagram and all of its wires are numbered in the electric panel with a German numeral system.
- ☐ All electric parts are from Schneider Electric, Omron, Schrack, Delta, Nexans Tele technique, and Phoenix. All are from French, Asteria, Swiss, Swidden, Korea, And Japan origins
- ☐ Bearings: SKF from Germany (High Quality Product)





## Incubators & Hatcheries

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